



**Eden500V™**

The 16 Micron Layer 3D Printing System

Expand your options  
with a larger build size, superior quality and accuracy

- Ultra-thin-layer Objet inkjet-based technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 500x400x200 mm
- Office environment
- Wide range of materials: FullCure®720, Tango, Vero and Durus
- Single support for all model materials
- 72 hours of unattended continuous printing
- High Speed and High Quality Printing Modes
- Optimax for automation of resin handling
- Upgradable to Stratasys Connex500 3D Printer

## Technical Specifications

### Layer Thickness (Z-axis)

Horizontal build layers down to 16-micron

### Tray Size (XxYxZ)

500x400x200 mm

### Net Build Size (XxYxZ)

490x390x200 mm

### Build Resolution

X-axis: 600 dpi

Y-axis: 600 dpi

Z-axis: 1600 dpi

### Printing Modes

High Quality (HQ): 16-micron

High Speed (HS): 30-micron

### Typical Accuracy

20-85um for features below 50mm

Up to 200um for full model size

(for rigid materials only, depending on geometry, build parameters and model orientation)

### Material Supported

- Objet FullCure®720: transparent material
- Objet VeroClear: transparent clear material

- Objet Vero family: rigid opaque material

- Objet DurusWhite: polypropylene-like material

- Objet Tango family: rubber-like material

- Objet RGD525: high temperature resistant material

### Support Type

- Objet FullCure®705 Support
- Non-toxic gel-like photopolymer support easily removed by WaterJet

### Materials Cartridges

Sealed 4x3.6 kg cartridges

Automatic switching between cartridges

Easily and instantly replaced through a front-loading door

### Power Requirements

110 – 240 VAC 50/60 Hz

1.5 KW single phase

### Machine Dimensions (WxDxH)

1320x990x1200 mm

### Machine Weight

Net 410kg

Gross (in crate) 500 kg

### Software

Objet Studio™ features:

- Optimax-printing optimization package
- Suggested build orientation and speed, auto-placement
- Automatic real time support structure generation
- Slice on the fly
- PolyLog™ Materials Management
- Network version

### Input Format

STL and SLC File

### Operational Environment

Temperature 18°C – 25°C

Relative Humidity 30 – 70%

### Jetting Heads

SHR (Single Head Replacement), 8 units

### Network Communication

LAN – TCP/IP

### Compatibility

Windows XP, Windows 2000

\*All specification are subject to change without notice

